

REMARKS

This Amendment is in response to the Office Action dated July 8, 2003. The Examiner therein rejected claims 1-26.

Applicants hereby amend independent claims 1, 14 and 26. All claims 1-26 are thus pending. Reconsideration of these pending claims is respectfully requested.

Rejection of Claims

Claims 1-20 and 24-26 are rejected in the current Office Action under 35 U.S.C. 102(e), or in the alternative, under 35 U.S.C. 103(a) based on Schwartz et al., US 5,327,559 [Schwartz].

Claims 21-23 are also rejected under 35 U.S.C 103 over Schwartz in view of Jamtgaard et al 6,430,624.

The claimed invention includes several embodiments which are described in independent claims 1, 14 and 26. For example, independent claim 1 is directed to a communications exchange system between a mobile device and a network site such as a Web site. The system includes a conversion engine that facilitates requests from the mobile device and selected content located at the network site. The conversion engine includes logic that converts the content to be rendered as a page on the mobile device. This conversion is between a first language that allows only a single input entry per page, eg, HDML (Handheld Device Markup Language), and a second language that allows for multiple input entries per page, eg, HTML (Hypertext Markup Language). These and other recited limitations can be also found in independent claims 14 and 26.

Meanwhile, Schwartz does not address this type of “language conversion” as provided by the claimed invention herein. The conversion described in Schwartz instead relates to data conversion to make messages more compact to be efficiently transportable over a wireless network. [“Converter 318 converts the messages, according to the interpretation, to a data format that is compact enough to be efficiently transportable over wireless network 308.” col.8,lns.55-58; Fig. 3A.] Moreover, as shown in Fig. 5A in Schwartz, “mobile device 350 does not have the necessary computing power and memory to operate a browser in response to the HDML files. Therefore, an HDML file received is first analyzed by message digester 316 and then converted

through a converter 318 into a set of screen commands that cause a mobile device, upon receiving the screen commands, to display the contents in the HDML file according to the screen commands. Typically, the screen commands are expressed in a form of screen description data (SDD) that is rendered in an interface engine in mobile device 350...an SDD stream is considerably smaller than the corresponding HDML file." [col.9,lns.29-50; Fig. 5A.] Thus, "the actual data being exchanged between link server 300 and mobile device 350 is in SDD format, which is typically binary and can be communicated more compactly and efficiently in wireless network 308." [col.10,lns.3-6.] The Schwartz reference therefore is directed to the compact transmission of data from a language such as HDML, and wholly ignores the inherent limitation of this language which allows only a single input entry per page.

A comparison between Fig. 6 in the cited Schwartz reference and Fig. 5 of the current disclosure further illustrates these and other substantial differences described herein between both systems. As shown in Fig. 6 of Schwartz, the network server communicates to the link server in HDML, which is a language that allows only a single input per page rendered on the mobile device. This HDML data is then converted into the compressed SDD data format and received by the mobile device. In contrast, as shown in Fig. 5 of the current disclosure, a network site provides content that is structured in HTML, which is a language that allows multiple input entries per page. The content for a mobile device is then converted into a language that allows only a single input entry such as HDML. The methods and apparatus associated with the language conversion provided in accordance with the invention are therefore not disclosed or suggested in Schwartz.

None of the cited references of record neither disclose nor suggest the invention as presently claimed when considered individually or in combination with one another. Based on the preceding remarks, allowance is also requested for the claims that are dependent upon independent claims 1, 14 and 26. Accordingly, allowance of all pending claims 1-26 is respectfully requested.

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Reply to Office Action of July 8, 2003

CONCLUSION

It is submitted that the present application is in form for allowance, and such action is respectfully requested. Should the Examiner have any questions, please contact the undersigned attorney.

The Commissioner is authorized to charge any additional fees which may be required, including petition fees and extension of time fees, to Deposit Account No. 23-2415 (Docket No. 24286-705).

Respectfully submitted,

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